



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)



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The Eastern Iowa DX Bulletin

Number 204, January 12, 2024

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Articles will remain in *The Bulletin* while active, but with a 5-week maximum.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from the National Oceanic and Atmospheric

Administration's [Space Weather Prediction Center](#)

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

13 Jan 2024 2251 GMT
SFI:185 SN: 185
A-Index: 5
K-Index: 1
X-Ray: C1.4
304A: 173.0 @ SEM
Ptn Flx: NoRpt
Elc Flx: NoRpt
Aurora: 3/n=1.99
Mag (Bz): 1.1
Solar Wind: 452.8
Geomag Field VR QUIET
Sig Noise Lvl S0-S1
Current Solar Image



<http://www.norbn.com>
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Solar data courtesy of:
[Solar Data Banners & Widgets](#)

DX News

5A, LIBYA. Abubaker, **5A1AL** has been active on 80, 60, and 40 meters at various times using FT8. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0202)

60, SOMALIA. Team **603T** will be active from Somalia sometime in early 2024. Plans are to operate SSB, CW and digital modes for a couple of weeks, with a focus on the low bands and 6 meters. Details are expected in due course.

-[425DXN # 1703 December 23, 2023] (0105-0126)

6Y, JAMAICA. Akira, JA7FYF, will be active as **6Y/AC6XT** during **January**.

-[DXNL # 2388 January 10, 2024] (0112-0202)

8P, BARBADOS. Chris, WA7RAR will be active again as **8P9CB** from Barbados (NA-021) on **January 10th to 25th**. Most of his operations will be portable at various locations,

especially POTA sites. He will be QRV on 20-10m CW and SSB. QSL via LoTW, or direct to [WA7RAR](#).

-[425DXN # 1705 January 6, 2024] (0105-0126)

9A, CROATIA. Throughout 2024 Tom, 9A2AA will use **9A67AA** to mark his 67 years of activity on the amateur radio bands. QSL via [9A2AA](#).

-[425DXN # 1705 January 6, 2024] (0105-0209)

9A, CROATIA. Special callsign **9A100RKZ** celebrates the 100th anniversary since Radioklub Zagreb was founded (March 24, 1924). Look for activity throughout 2024. QSL via [9A1ADE](#).

-[425DXN # 1704 December 30, 2023] (1229-0202)

C6, BAHAMAS. Look for Kevin, W1DED to be active as **W1DED/C6A** from Eleuthera (NA-001), Bahamas on **January 15th to 21st**. QSL via LoTW, or direct to [W1DED](#).

-[425DXN # 1706 January 13, 2024] (0112-0126)

C6, BAHAMAS. John, W6JTB, will be active as **C6ABJ** until **April 2024**.

-[DXNL # 2388 January 10, 2024] (0112-0216)

CE9, ANTARCTICA. Andrii, UT3UTQ has been active as **EM1UTQ** from the Akademik Vernadskyi station on Galindez Island (AN-006), Antarctica **since January 9th**. Also stationed at Vernadskyi is Serhii, UW5EHR, who has been QRV as **EM1EHR** **since early December 2023**. Both are members of the XXVIII Ukrainian Antarctic Expedition, which is expected to remain at the base **until late March**.

-[425DXN # 1706 January 13, 2024] (0112-0216)

CE9, ANTARCTICA. Norbert, VK5MQ, will be active during the 2023/24 season from Casey Base as **VK0AI**. QSL via LoTW, eQSL, or direct. N.E. TRUPP, PO BOX 1359, MOUNT GAMBIER, SA, 5290, Australia.

-[DXNL # 2388 January 10, 2024] (0112-0216)

CE9, ANTARCTICA. Allan, **VK0AW**, continues to operate from Mawson Station (AN-016) **until February**. QSL via [EB7DX](#).

-[DXNL # 2387 January 3, 2024] (0105-0202)

CE9, ANTARCTICA. David, VK2JDS, has reached the Davis Antarctic Base (VKFF-0568 Park) and operates as **VK0DS** during his spare time. QRV on HF and on 2m and 23cm via EME. He stays **until November 2024**. QSL direct via [VK2JDS](#), LoTW.

-[DXNL # 2385 December 20, 2023] (1222-0126)

CE9, ANTARCTICA. A member of the 69th Russian Antarctic Expedition, Igor, RQ8K will be stationed at Progress Station, Antarctica **until the end of April 2025**. In his spare time, he is active as **RI1ANE**.

-[425DXN # 1702 December 16, 2023] (1215-0119)

CN, MOROCCO. Yannick, CN2YD is QRV as **CN2YD/p** from Molitor Island (AF-065) **until March 15th**. QSL via [F6FYD](#).

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

DL, GERMANY. Special callsign **DM24EHF** (special DOK EHF24) operates around the Men's EHF Euro 2024 Handball Championship from **January 6th to 28th**. QSL via bureau or [DL2VFR](#).

-[DXNL # 2387 January 3, 2024] (0105-0202)

DL, GERMANY. Special callsigns **DB100FK**, **DC100FK**, **DD100FK**, **DF100FK**, **DL100FK**, **DM100FK**, **DQ100FK** and **DR100FK** - as well as **DM100MW** and **DR100PE** - will be active from **January 1 to May 31** to celebrate the 100th anniversary since the formation of the Deutsche Funk-Kartell (January 24, 1924), a federation of clubs

of radio enthusiasts during the early days of amateur radio in Germany. QSL "only digital" (via LoTW, eQSL, etc.). An award will be available, see <https://100fk.de/> for information.
-[425DXN # 1703 December 23, 2023] (1229-0126)

DU, PHILIPPINES. Mike, W6QT is QRV as **DU3/W6QT** from Olongapo City **until the end of January**. QSL to [W6QT](#).
-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0202)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of January 12, 2024:

1. P5 DPRK (North Korea)	11. 3Y/B Bouvet Island
2. BS7H Scarborough Reef	12. ZS8 Prince Edward & Marion Islands
3. CE0X San Felix Islands	13. KH4 Midway Island
4. BV9P Pratas Island	14. VK0M Macquarie Island
5. KH7K Kure Island	15. PY0S Saint Peter And Paul Rocks
6. KH3 Johnston Island	16. PY0T Trindade & Martim Vaz Islands
7. FT/G Glorioso Island	17. KP5 Desecheo Island
8. 3Y/P Peter 1 Island	18. VP8S South Sandwich Islands
9. FT5/X Kerguelen Island	19. KH5 Palmyra & Jarvis Islands
10. YV0 Aves Island	20. ZL9 New Zealand Subantarctic Islands

For the complete list, see <https://clublog.org/mostwanted.php>
-[K0CF January 12, 2024] (0112-0126)

EA, SPAIN. Look for **EG59GURU/p** to be QRV from various SOTA locations in Spain on **January 8th to 21st**. This activity is a tribute to Jose-Antonio Gurutzarri "Guru" Jauregi (EA2IF), an outstanding personality of the Summits On The Air program, who passed away in 2022. See <https://sites.google.com/view/ea2if-memorial> for more information; QSL cards will not be provided.
-[425DXN # 1705 January 6, 2024] (0105-0126)

EK, ARMENIA. Dima, RX3DPK, continues to operate as **EK/RX3DPK** **until the end of 2024** on 160-10m (no 60m) on FT8. QSL via [RX3DPK](#).
-[DXNL # 2388 January 10, 2024] (0112-0216)

ET, ETHIOPIA. Bob, W9XY plans to be QRV from the **ET3AA** club station at Addis Ababa University's Institute of Technology **until January 20th**. Activity will be on the higher bands. QSL via [N200](#).
-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0119)

FJ, SAINT BARTHELEMY. Phil, K2LIO is QRV as **FJ4WEB** and plans to be QRV **until August 15, 2024**. QSL to [K2LIO](#).
-[ARRL DX Bulletin # 51 December 21, 2023] (1222-0126)

FK, NEW CALEDONIA. Jean Louis, F5NHJ, remains active **until January 14** as **FK/F5NHJ** from Grande-Terre and Ile des Pins (both OC-032).
-[DXNL # 2388 January 10, 2024] (0112-0119)

FM, MARTINIQUE. Francis, F6BWJ will be active again as **FM/F6BWJ** from Martinique (NA-107) **starting on January 11th for two months**. He will operate CW on 80-10 meters. QSL via LoTW, or via the bureau to [F6BWJ](#).
-[425DXN # 1705 January 6, 2024] (0105-0209)

FO0, CLIPPERTON I. Look for **TX5S** to be QRV from **January 17th to February 1st**. Activity will be on 160 to 6 meters using CW, SSB, RTTY, FT8, 6 meter EME, and active on various Satellites. QSL via operators' instructions.
-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0202)

FW, WALLIS & FUTUNA IS. Jean-Gabriel, F4CIX, signs **FW1JG** from Wallis Isl. (OC-054) until the **end of January** on 40-6m (SSB, FT8). QSL via LoTW.
-[DXNL # 2388 January 10, 2024] (0112-0202)

FW, WALLIS & FUTUNA IS. Martin, **FW4AT** is QRV on 40 to 6 meters using FT8. QSL to [FW4AT](#).

-[ARRL DX Bulletin # 51 December 21, 2023] (1222-0126)

FY, FRENCH GUIANA. Pierre-Jean, F4GPK is QRV as **TO2FY** from Kourou until January 16th. Activity is on the HF bands using only SSB. QSL direct to [F4GPK](#).

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0119)

GW, WALES. Kev, GWØPUH will be active as **GB9KW** on January 2nd to 28th using vintage equipment manufactured by KW Electronics Ltd during the 1960s and 1970s. Main activity will be over the "KW Weekend" (January 6th to 7th). Other special callsigns are expected to be on the air, e.g. **GB2KW** (Scotland), **GB4KW** & **GB8KW** (England).

-[425DXN # 1704 December 30, 2023] (1229-0202)

HB, SWITZERLAND. Members of the Zurich City Police Radio Amateur Club (HB9SP) will be active as **HB2ØSP** throughout 2024 to celebrate their club's 20th anniversary. QSOs will be uploaded to LoTW, ClubLog and qrz.com; do not send any card via the bureau.

-[425DXN # 1704 December 30, 2023] (1229-0202)

HH, HAITI. Members of the Radio Club d'Haiti will be QRV as **HH22ØY** from January 1st to 31st to celebrate the 200th anniversary since the declaration of the former colony's independence. QSL via [N2ØØ](#).

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

HS, THAILAND. A group of operators are QRV as **E2ØAX/p** from Lipe Island (AS-126) until January 14th. Activity is on 40 to 10 meters using CW, SSB, and FT8 with two stations. QSL via [E21EIC](#). (All QSOs will be confirmed automatically via LoTW and the bureau.)

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0119)

I, ITALY. Throughout 2024 ARI Fidenza will use a series of special callsigns each representing a "keyword" that summarizes and characterizes the content of a sentence from one of Guglielmo Marconi's many public speeches: **II4TENC** (January), **II4INTU** (February), **II4SUCC** (March), **II4DETR** (April), **II4SEAS** (May), **II4RDFE** (June), **II4INNV** (July), **II4BFRE** (August), **II4OTSR** (September), **II4VISN** (October), **II4BTFU** (November), **II4FCGD** (December). QSL via [IQ4FE](#). Information about the "Discovering Marconi" award: <http://www.arifidenza.it/>.

-[425DXN # 1706 January 13, 2024] (0112-0216)

I, ITALY. Members of ARI Padova will be active as **II3PUP** on January 7th to 14th. The special callsign's suffix is an acronym for Patavium Urbs Picta (Padua the Painted City), which refers to the fourteenth-century fresco cycles that have been inscribed on the UNESCO World Heritage list since 2021. QSL via [IQ3WW](#); QSOs will be uploaded to LoTW, ClubLog and qrz.com.

-[425DXN # 1703 December 23, 2023] (0105-0119)

J7, DOMINICA. Laurent, FM5BH as **J79BH** and David, F8AAN as **J79AN** will be active from Dominica (NA-101) on January 17th-24th. They will operate mainly CW, possibly with some SSB and FT8, on 80-10 meters. QSL J79AN via [ClubLog's OQRS](#), LoTW, or direct to [F8AAN](#); QSL J79BH via [ClubLog's OQRS](#), or direct to [FM5BH](#).

-[425DXN # 1705 January 6, 2024] (0112-0126)

JA, JAPAN. Take, JI3DST will be active again as **JS6RRR** from the Miyako Islands (AS-079) beginning January 5th until April 1st. He will be QRV also as **JI3DST/6**, **JJ5RBH/6** and **JR8YLY/6** on SSB and CW, as well as **JI3DST/p**, **JJ5RBH/p** and **JR8YLY/p** on FT8. QSOs will be made available for ClubLog and LoTW Matching on the IOTA website.

-[425DXN # 1704 December 30, 2023] (1229-0202)

JD1/M, MINAMI TORISHIMA. Take, JG8NQJ will be QRV as **JD1/JG8NQJ** from the weather station on Marcus Island (OC-073) from **January 15th until mid-April**. Activity will be in his spare time on the HF bands using CW and some FT8. QSL direct to JA8CJY.

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0216)

K, UNITED STATES. The Straight Key Century Club's annual on-air event, commemorating the club's founding in 2006 and celebrating the original instruments of early radiotelegraphy (straight key, bug and cootie keys), will run on **January 2nd to 31st**. Look for **K3Y** to be aired from the ten US call areas (**K3Y/Ø** through **K3Y/9**), plus **/KH6**, **/KL7** and **/KP4**. Information on the event and QSL instructions can be found on <https://skccgroup.com/k3y/k3y.php>.

-[425DXN # 1704 December 30, 2023] (1229-0202)

LZ, BULGARIA. Radio Club Blagovestnik (LZ1KCP) will use six special callsigns during 2024 to honor as many different Orthodox saints: **LZ235IR** (**January and February**), **LZ543BN** (**March and April**), **LZ44IZ** (**May and June**), **LZ302IT** (**July and August**), **LZ1515IW** (**September and October**), and **LZ311PA** (**November and December**). QSL via the bureau or direct to P.O. Box 36, 4300 Karlovo, Bulgaria. Details on the "All Saints 2024 Award" can be found at <https://www.lz1kcp.com/>.

-[425DXN # 1705 January 6, 2024] (0105-0209)

OE, AUSTRIA. Christian, OE5CCN will be active as **OE24BI** from **January 1st until June 30th** from the city of Bad Ischl, one of the European Capitals of Culture for 2024. All QSOs will be confirmed automatically via the bureau and LoTW.

-[425DXN # 1704 December 30, 2023] (1229-0202)

OE, AUSTRIA. Special event station **OE1ØØRADIO** is QRV during **all of 2024** to celebrate the centennial of radio broadcasting in Austria. QSL via operators' instructions.

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

OE, AUSTRIA. Special callsign **OE4ØWO** celebrates the 40th anniversary of the club Wolfsberg ADL 084 **until April 4th**. QSL via OE8XDX.

-[DXNL # 2386 December 27, 2023] (1229-0202)

OK, CZECH REPUBLIC. The radio club OK1KVK celebrates its 70th anniversary with the callsign **OL7ØKVK**. QSL via OK6RP.

-[DXNL # 2385 December 20, 2023] (1222-0119)

ON, BELGIUM. Special callsign **OT65BXE** will be used by members of UBA Section Bruxelles-Est to celebrate their club's 65th anniversary on **January 1st to 31st**. QSL via ON5UB.

-[425DXN # 1705 January 6, 2024] (0105-0202)

ON, BELGIUM. The Radio-Club de Luettich (ON5VL) celebrates its 100th anniversary with the callsign **OR1ØØLGE** during **2024**. QRV on 160-6m (CW, SSB, FT4/8). QSL via ON6YH, ClubLog, LoTW, eQSL.

-[DXNL # 2386 December 27, 2023] (1229-0202)

OX, GREENLAND. Special event stations **OX24QUEEN** and **OX24KING** will be QRV from **January 12th to 14th, and January 14th to 16th respectively**, to mark the abdication on January 14th of Queen Margrethe II of Denmark, and the ascension of King Frederik X to the throne. QSL via OZ1ACB.

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0119)

OY, FAROE IS. Special event stations **OY24QUEEN** and **OY24KING** will be QRV from **January 12th to 14th, and January 14th to 16th respectively**, to mark the abdication on January 14th of Queen Margrethe II of Denmark, and the ascension of King Frederik X to the throne. QSL via OZ1ACB.

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0119)

OZ, DENMARK. Special event stations **OZ24QUEEN** and **OZ24KING** will be QRV from **January 12th to 14th, and January 14th to 16th respectively**, to mark the abdication on January 14th of Queen Margrethe II of Denmark, and the ascension of King Frederik X to the throne. QSL via [OZ1ACB](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0119)

OZ, DENMARK. Celebrating King Frederik X's succession to the Danish throne, special callsign **OZ24FX** will be used by several operators on **January 14th to 21st**. QSL via LoTW, eQSL, [ClubLog's OQRS](#) (direct and bureau), or direct to [OZ1ACB](#). See <https://www.qrz.com/db/OZ24FX> for complete information about the available awards.

-[425DXN # 1706 January 13, 2024] (0112-0126)

P4, ARUBA. Mathias, DL4MM will be active again as **P4/DL4MM** and **P40AA** (used for FT8/FT4 and during the CQ WW 160-Meter CW Contest on January 26th-28th) from Aruba (SA-036) on **January 19th to 31st**. He will operate CW, SSB and digital modes on 160-10 meters. QSLs via [ClubLog's OQRS](#), LoTW, or via [DL4MM](#).

-[425DXN # 1705 January 6, 2024] (0119-0202)

PA, NETHERLANDS. Special callsign **PD24HNY** remains on the air until the **end of January**. See: <https://www.qrz.com/db/PA23XMAS>

-[DXNL # 2388 January 10, 2024] (0112-0202)

PJ2, CURACAO. Jeff, K8ND, operates as **PJ2ND** **until the end of January**, including several contests as **PJ2T** during that period. QSL for PJ2ND via [K8ND](#), PJ2T via [KU9C](#).

-[DXNL # 2388 January 10, 2024] (0112-0202)

PJ5, SABA & ST. EUSTATIUS. Janusz, SP9FIH is QRV as **PJ5/SP9FIH** **until April 3rd**. Activity is on 40 to 6 meters, and possibly 60 meters, using SSB, RTTY, FT8, and FT4. QSL via LoTW, [SP9FIH](#), [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0216)

SM, SWEDEN. Special callsign **SK100FRK** celebrates the 100th anniversary since Falu Radioklubb (SK4AO) was founded. Look for activity from **January 1st until December 31, 2024**. A very special diploma will be available - see <https://www.qrz.com/db/SK100FRK>.

-[425DXN # 1704 December 30, 2023] (1229-0202)

SM, SWEDEN. Special callsign **SK50B** is for members of the Botkyrka Radioamatorer to celebrate their club's golden jubilee **throughout 2024**. The club was founded on January 18, 1974. QSL via the bureau to [SK0HB](#).

-[425DXN # 1704 December 30, 2023] (1229-0202)

SP, POLAND. Special callsign **SN15AXI** continues to honor the memory of Janek Bonikowski (SP3AXI; SK 2008) **until the end of the month**. QSL via bureau or eQSL.

-[DXNL # 2388 January 10, 2024] (0112-0202)

T8, PALAU. Operators JH6WDG, JA6KYU, and JA6EGL are QRV as **T88AQ**, **T88HS**, and **T88SM**, respectively, from Koror Island (OC-009) **until January 18th**. Activity is on various bands and modes. QSL T88AQ via [JH6WDG](#), T88HS via [JA6KYU](#), and T88SM via [JA6EGL](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0119)

TG, GUATEMALA. Steve, K4IM, signs **TG9AWS** **during January**. The duration of his stay is unknown so far. QSL via [N200](#).

-[DXNL # 2388 January 10, 2024] (0112-0202)

TR, GABON. Roland, F8EN will be active again as **TR8CR** from Gabon from **December 28th until the end of February**. He will operate CW on 30-10m. QSL via F6AJA, logsearch on <http://LesNouvellesDX.fr/voirlogs.php>.

-[425DXN # 1701 December 9, 2023] (1222-0126)

TZ, MALI. Jeff, K1MMB, has returned to Bamako and works once more as **TZ4AM** on 80-10m (CW, SSB) and on 6m with a beacon (**TZ6HY/B**); when 6m opens, he will also show up there for QSOs. QSL via [KX4R](#).

-[DXNL # 2388 January 10, 2024] (0112-0216)

V4, ST. KITTS & NEVIS. Bob, N4RF, operates holiday-style from January 11th to 25th as **V4/N4RF** on HF (CW, FT8, some SSB). QSL via [N4RF](#), LoTW.

-[DXNL # 2388 January 10, 2024] (0112-0126)

VE, CANADA. Jean, VE2JCW, will be active with the callsign **VE2PEACE** during **January**. QSL only direct to [VE2JCW](#).

-[DXNL # 2387 January 3, 2024] (0105-0202)

VP2M, MONTSEERRAT. Thaire, W2APF is QRV as **VP2MDX** until **April 11th**. Activity is on 80 to 6 meters using CW, SSB, FM, and FT8. QSL direct to [W2APF](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0209)

VP9, BERMUDA. Paul, EI6LC, signs **VP9KF** from Bermuda (NA-005) on **January 8th to 22nd**. He will operate CW only on 160-10 meters and will participate in the North American QSO Party (<https://ncjweb.com/nagp/>) QSL direct to Paul Evans, 15 Watch Knob Lane, Swannanoa NC 28778, USA. He does not use LoTW.

-[425DXN # 1704 December 30, 2023] (1229-0126)

VU, INDIA. Amateurs from India celebrate the new year with the callsign **ATM2024** until **January 21**. QSL via bureau, direct, eQSL. <https://www.qrz.com/db/ATM2024>

-[DXNL # 2388 January 10, 2024] (0112-0126)

VU, INDIA. Operators VU3EFG, VU3FJT, and VU2OGQ are QRV as **AT5D** from Kanyakumari until **January 31st** for a Beaches On The Air activation. QSL via [VU3EFG](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0202)

VU, INDIA. Once again, the West Bengal Radio Club (VU2WB) will provide assistance during the Ganga Sagar Mela on Sagar Island (AS-153). This is the annual gathering of Hindu pilgrims to take a holy dip in the Ganges, where the river merges with the Bay of Bengal. Expect some activity on the HF bands as **AT24GSM** on **January 9th to 16th**. QSL via operator's instructions; plans are to upload QSOs to ClubLog.

-[425DXN # 1705 January 6, 2024] (0105-0119)

VU, INDIA. Operators VU3GWN, VU3CIQ, VU3TBU and VU3UZD will be QRV with special event call sign **AT3POG** from Karnataka from **January 1st to March 31st**. QSL via [VU3GWN](#).

-[ARRL DX Bulletin # 52 December 28, 2023] (1229-0202)

VU, INDIA. A group of Indian operators are QRV as **AT8T4S** until **January 24th** from the historic city of Palakkad. QSL via [VU3WEW](#).

-[ARRL DX Bulletin # 51 December 21, 2023] (1222-0126)

VU, INDIA. Special callsign **AT30IIH** marks the 30th anniversary of the Indian Institute of Hams, and educational organization. QSL via bureau, direct, eQSL.

-[DXNL # 2385 December 20, 2023] (1222-0119)

XW, LAOS. Vincent, F4BKV is QRV as **XW4KV** until **mid-2024**. Activity is mostly on 15 and 10 meters using FT8. QSL to [F4BKV](#), [ClubLog's OQRS](#), LoTW.

-[ARRL DX Bulletin # 50 December 14, 2023] (1215-0119)

ZD7, ST. HELENA. Elvira, IV3FSG will be active as **ZD7Z** from St. Helena (AF-022) from **January 16th to February 4th**. She will operate SSB, CW, RTTY, FT8 and FT4 (using MSHV) on 160-6 meters. Plans are to enable ClubLog's Live Stream feature. QSL via [ClubLog's OQRS](#), paper cards direct to [IK2DUW](#).

-[425DXN # 1700 December 2, 2023] (0112-0209)

ZD7, ST. HELENA. Alex, DL1PM and Rob, HB9ETR have been active as **ZD7/DG1PM** and **ZD7/ HB9ETR** since December 27th. They remotely operate ZD7CA's station.

"Previously, ZD7 had Internet access solely through a costly satellite connection", Chris says, "but with the new undersea cable, high-bandwidth connections make such achievements possible".

-[425DXN # 1704 December 30, 2023] (1229-0126)

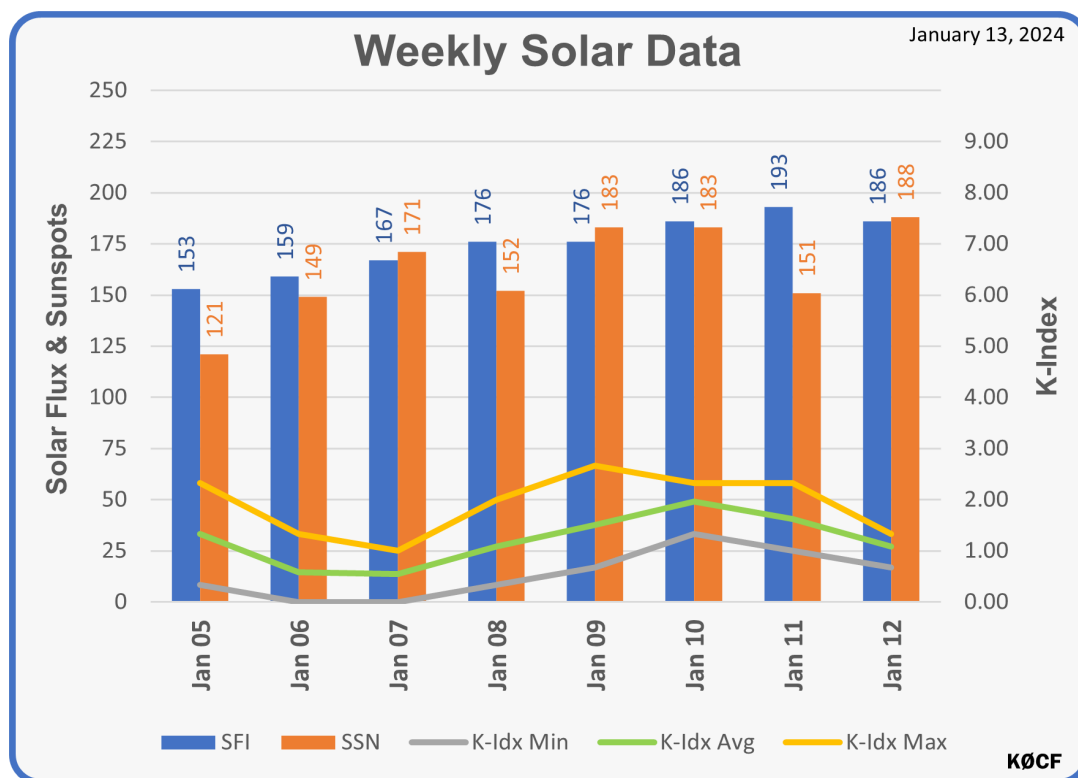
ZD7, ST. HELENA. Chris, HB9FIY and his wife Agata will be QRV as **ZD7CA** and **ZD7AA**, respectively, from **December 16th to January 14th**. Activity will be on 40 to 10 meters using SSB and various digital modes. QSL via [EA5GL](#), LoTW.

-[ARRL DX Bulletin # 50 December 14, 2023] (1215-0119)

ZL7, CHATHAM IS. Station **ZL7DX** has been active on 6 meters using FT8 around 2100z. QSL via [MØOXO](#).

-[ARRL DX Bulletin # 2 January 11, 2024] (0112-0209)

Propagation (Updated daily)



The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (K-Idx) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

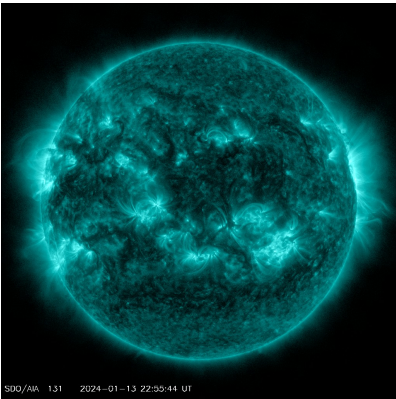
The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.

Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!



Propagation Summary

For the 8 day period from Friday, January 5th through yesterday, January 12th.

The average solar flux was up 37 points from the previous week, with a weekly high of 193 on Thursday, January 11th, following a low of 153 on January 5th.

The average sunspot count was up 103 for the week, peaking at 188 on Friday, January 12th after a weekly low of 121 on January 5th.

The Planetary K-index weekly average was 1.9 with a maximum of 2.7 on Tuesday, January 9th, resulting in generally quiet geomagnetic conditions.

Solar flare activity since January 5th has been moderate with 6 major flares, the largest of which was an M 1.9 event on Wednesday, January 10th.

Propagation Data

Major solar flares, Friday, January 5th through 0531 UTC, January 13th.

#	Date	UTC	Mag.
1	Jan 12	0258	M 1.0
2	Jan 11	1923	M 1.2
3	Jan 11	1752	M 1.5
4	Jan 11	1251	M 1.3
5	Jan 10	2328	M 1.9
6	Jan 10	1255	M 1.4

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
Jan 13	45%	5%	190

Jan 14	40%	5%	190
Jan 15	40%	5%	190

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on January 8, 2024).

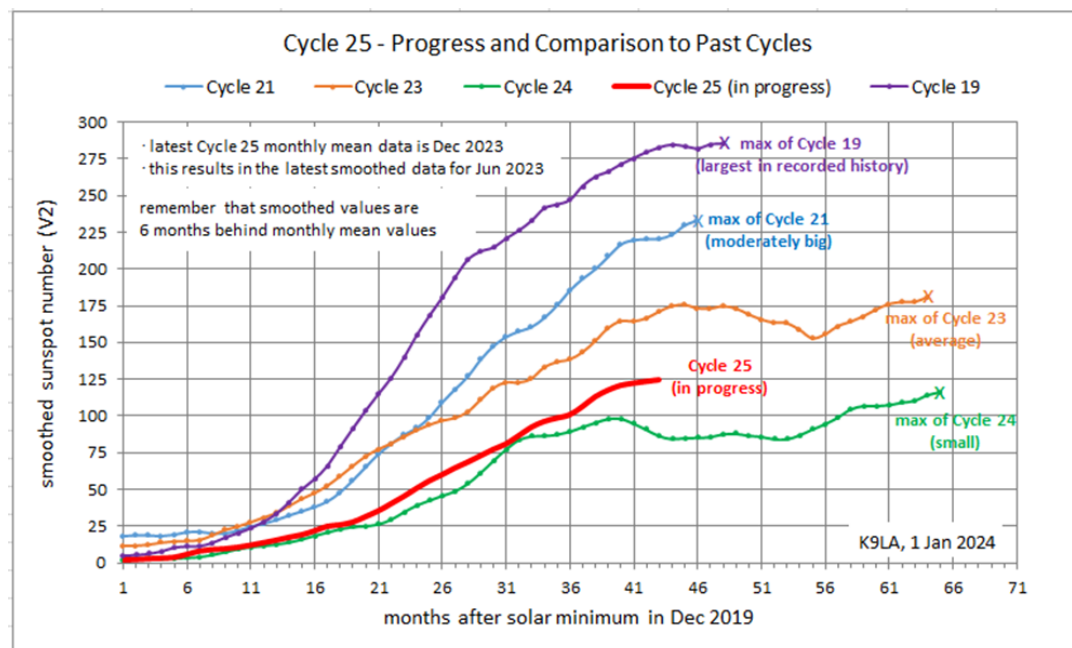
Date	Flux	Kp
Jan 13	165	2
Jan 14	165	2
Jan 15	160	2
Jan 16	165	2

Date	Flux	Kp
Jan 17	160	2
Jan 18	155	2
Jan 19	150	2
Jan 20	150	2

Date	Flux	Kp
Jan 21	150	2
Jan 22	145	2
Jan 23	140	2
Jan 24	135	2

Cycle 25 vs. Past Cycles

Carl Luetzelschwab, K9LA (an acknowledged propagation expert) has created this graph showing Cycle 25 progress as compared to a few past Solar Cycles. It is very interesting to see that Cycle 25 is a very modest iteration, providing some good but not great propagation on the HF bands.



Highs for Cycle 25

Solar Flux: 234 on January 15, 2023.

Sunspots: 227 on July 11, 2023.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

<https://www.spaceweather.com/>

<https://www.solarham.net/>

<https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters.

However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000Z is Sunday at 6:00 PM in the Central time zone.

Full Calendar

Contest	Start		End		Web Site
YB DX Contest	Jan 13	0000Z	Jan 13	2359Z	Rules
North American QSO Party, CW	Jan 13	1800Z	Jan 14	0600Z	Rules
Hungarian DX Contest	Jan 20	1200Z	Jan 21	1200Z	Rules

North American QSO Party, SSB	Jan 20	1800Z	Jan 21	0600Z	Rules
ARRL January VHF Contest	Jan 20	1900Z	Jan 22	0359Z	Rules
CQ 160-Meter Contest, CW	Jan 26	2200Z	Jan 28	2159Z	Rules
BARTG RTTY Sprint	Jan 27	1200Z	Jan 28	1200Z	Rules
Winter Field Day	Jan 27	1700Z	Jan 28	1700Z	Rules
Vermont QSO Party	Feb 3	0000Z	Feb 4	2400Z	Rules
10-10 Int. Winter Contest, SSB	Feb 3	0001Z	Feb 4	2359Z	Rules
Mexico RTTY International Contest	Feb 3	1200Z	Feb 4	2359Z	Rules
Minnesota QSO Party	Feb 3	1400Z	Feb 3	2400Z	Rules
British Columbia QSO Party	Feb 3	1600Z	Feb 4	2400Z	Rules
North American Sprint, CW	Feb 4	0000Z	Feb 4	0359Z	Rules
CQ WW RTTY WPX Contest	Feb 10	0000Z	Feb 11	2400Z	Rules
ARRL School Club Roundup	Feb 12	1300Z	Feb 16	2359Z	Rules
ARRL Inter. DX Contest, CW	Feb 17	0000Z	Feb 18	2400Z	Rules
CQ 160-Meter Contest, SSB	Feb 23	2200Z	Feb 25	2159Z	Rules
North American QSO Party, RTTY	Feb 24	1800Z	Feb 25	0600Z	Rules
North Carolina QSO Party	Feb 25	1500Z	Feb 26	0100Z	Rules
ARRL Inter. DX Contest, SSB	Mar 2	0000Z	Mar 3	2400Z	Rules
Open Ukraine RTTY Championship	Mar 2	1800Z	Mar 3	1359Z	Rules
YB DX RTTY Contest	Mar 9	0000Z	Mar 9	2359Z	Rules
Oklahoma QSO Party	Mar 9	1400Z	Mar 10	2100Z	Rules
Stew Perry Topband Challenge	Mar 9	1500Z	Mar 10	1500Z	Rules
Idaho QSO Party	Mar 9	1900Z	Mar 10	1900Z	Rules
North American Sprint, RTTY	Mar 10	0000Z	Mar 10	0359Z	Rules
Wisconsin QSO Party	Mar 10	1800Z	Mar 11	0100Z	Rules
BARTG HF RTTY Contest	Mar 16	0200Z	Mar 18	0200Z	Rules
Russian DX Contest	Mar 16	1200Z	Mar 17	1200Z	Rules
North American SSB Sprint Contest	Mar 24	0000Z	Mar 24	0400Z	Rules
CQ WW WPX Contest, SSB	Mar 30	0000Z	Mar 31	2400Z	Rules
Louisiana QSO Party	Apr 6	1400Z	Apr 7	0200Z	Rules
SP DX Contest	Apr 6	1500Z	Apr 7	1500Z	Rules
JIDX CW Contest	Apr 13	0700Z	Apr 14	1300Z	Rules
New Mexico QSO Party	Apr 13	1400Z	Apr 14	0200Z	Rules
Georgia QSO Party	Apr 13	1800Z	Apr 14	2359Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]